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TITLE: View Angle Control Sheet

AMENDED CLAIMS

1. (currently amended) A view angle control sheet characterized in that comprising lens portions having trapezoidal shapes in cross section [[are]] arranged at predetermined intervals, a wedge-shaped portion between the lens portions adjacent to each other is filled with the same material as the lens portion or with a material different from the lens portion, the wedge-shaped portion has a bottom surface on a screen image side while having a leading edge on an observer side, and the following relationship is held at least between a refractive index N2 of a material constituting a slope portion of the wedge-shaped portion and a refractive index N1 of a material constituting the lens portion:

2. (currently amended) A view angle control sheet according to claim 1, eharacterized in that wherein an angle θ (degree) formed by the slope portion and a normal line of a light beam outgoing plane exists in the following range:

$$3 \le \theta \le 20$$

3. (currently amended) A view angle control sheet according to claim 2,

characterized in that wherein the following relationship is held further between the refractive indexes N1 and N2:

$$0.8N1 \le N2 \le 0.98N1$$

4. (currently amended) A view angle control sheet according to claim 1 or 2, characterized in that wherein the following relationship is held still further between the refractive indexes N1 and N2:

$$N1-0.01 \le N2$$

5. (currently amended) A view angle control sheet according to any one of claims 1 to 4, characterized in that, claim 1, wherein when a ratio of the refractive indexes N1 and N2 is N2/N1 = R, the following relationship is held further in the angle θ (degree) formed by the slope portion of the wedge-shaped portion and the normal line of the light beam outgoing plane:

$$-0.01 < R-\cos\theta < 0.002$$
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- 6. (currently amended) A view angle control sheet according to any one of claims 1 to 5, characterized in that claim 1, wherein a cross-sectional shape of the wedge-shaped portion is a substantial isosceles triangle.
- 7. (currently amended) A view angle control sheet according to any one of claims 1 to 5, characterized in that claim 1, wherein one of angles formed by two slopes of the wedge-shaped portion and the normal line of the light beam outgoing plane is larger than the other.

- 8. (currently amended) A view angle control sheet according to any one of claims 1 to 7, characterized in that claim 1, wherein the slope portion has a curved cross-sectional shape and/or a polygonal-line cross-sectional shape such that the screen image side differs from the observer side in an angle formed by the slope portion and an observer side surface.
- 9. (currently amended) A view angle control sheet according to any one of claims 1 to 8, characterized in that claim 1, wherein the wedge-shaped portion has a light beam absorption effect.
- 10. (currently amended) A view angle control sheet according to any one of claims 1 to 9, characterized in that claim 1, wherein light beam absorption particles are added to the wedge-shaped portion.
- 11. (currently amended) A view angle control sheet according to claim 10, characterized in that wherein an average particle size of the light beam absorption particles is at least 1 µm and the average particle size is not more than two-thirds of a width of the bottom surface.
- 12. (currently amended) A view angle control sheet according to claim 10 or 11, characterized in that , wherein an addition amount of the light beam absorption particle ranges from 10 to 50 % by volume.
- 13. (currently amended) A view angle control sheet according to any one of claims 1 to 12, characterized in that claim 1, wherein a function of any one of AR,

- AS, AG, and a touch sensor or a plurality of functions thereof are imparted to at least one surface side.
- 14. (currently amended) A display device characterized in that <u>wherein</u> a view angle control sheet according to any one of claims 1 to 13 claim 1 is bonded.
- 15. (currently amended) A display device characterized in that wherein a view angle control sheet according to any one of claims 1 to 13 claim 1 is arranged in a crosswise stripe.
- 16. (currently amended) A display device characterized in that wherein one view angle control sheet according to any one of claims 1 to 13 claim 1 is laminated on the observer side of a screen image source or two view angle control sheets according to any one of claims 1 to 13 claim 1 are laminated the observer side of the screen image source while being substantially orthogonal to each other.
- 17. (currently amended) A display device according to claim 16, characterized in that wherein the width of the bottom surface is not more than 1/1.5 of a size of one pixel.